

FORM PTO 1390 (REV 5-93) US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NUMBER 2001_1110A
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. §371		U.S. APPLICATION NO. 09/890871 (GMA/DO/PTL) NEW
International Application No. PCT/JP00/00744	International Filing Date February 10, 2000	Priority Date Claimed February 10, 1999
Title of Invention HYDROTHERMAL ELECTROLYTIC APPARATUS AND PROCESSES		
Applicant(s) For DO/EO/US Tatsuya NISHIMURA; Roberto Masahiro SERIKAWA; Qingquan SU and Masahiro ISAKA		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. §371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. §371. 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. §371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. Attachment "A" c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. §371(c)(2)). Attachment "B" 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)). <ul style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19. 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)). Attachment "C" 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)). <p>Items 11. to 14. below concern other document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. Attachment "D" 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. - Attachment "E" 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. -Attachment "F" <ul style="list-style-type: none"> <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input checked="" type="checkbox"/> Other items or information: <ul style="list-style-type: none"> - Notification Concerning Submission or Transmittal of Priority Document (Form PCT/IB/304) - Attachment "G" - Notification of Transmittal of Copies of Translation of the International Preliminary Examination Report (Form PCT/IB/338) - Attachment "H" 		

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<p>15. <input checked="" type="checkbox"/> The following fees are submitted</p> <p>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Neither international preliminary examination fee nor international search fee paid to USPTO and International Search Report not prepared by the EPO or JPO</td> <td style="width: 30%; text-align: right;">\$1000.00</td> </tr> <tr> <td>International Search Report has been prepared by the EPO or JPO</td> <td style="text-align: right;">\$ 860.00</td> </tr> <tr> <td>International preliminary examination fee not paid at USPTO but international search paid to USPTO</td> <td style="text-align: right;">\$ 710.00</td> </tr> <tr> <td>International preliminary examination fee paid to USPTO but claims did not satisfy provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right;">\$ 690.00</td> </tr> <tr> <td>International preliminary examination fee paid at USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right;">\$ 100.00</td> </tr> </table> <p>ENTER APPROPRIATE BASIC FEE AMOUNT =</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Claims</th> <th style="width: 25%;">Number Filed</th> <th style="width: 25%;">Number Extra</th> <th style="width: 25%;">Rate</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>18 -20 =</td> <td>-0-</td> <td>X \$18.00</td> </tr> <tr> <td>Independent Claims</td> <td>4 - 3 =</td> <td>1</td> <td>X \$80.00</td> </tr> <tr> <td colspan="3">Multiple dependent claim(s) (if applicable)</td> <td>+ \$270.00</td> </tr> </tbody> </table> <p>TOTAL OF ABOVE CALCULATIONS =</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">\$940.00</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <p><input type="checkbox"/> Small Entity Status is hereby asserted. Above fees are reduced by 1/2.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">\$940.00</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <p>SUBTOTAL =</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">\$940.00</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <p>Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">+ \$</td> <td style="width: 30%; text-align: right;">+</td> </tr> </table> <p>TOTAL NATIONAL FEE =</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">\$940.00</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">\$40.00</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <p>TOTAL FEES ENCLOSED =</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">\$980.00</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; text-align: right;">Amount to be refunded</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; text-align: right;">Amount to be charged</td> <td style="width: 30%; text-align: right;">\$</td> </tr> </table> <p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$980.00</u> to cover the above fees is enclosed. A duplicate copy of this form is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 23-0975 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0975</u>.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>			Neither international preliminary examination fee nor international search fee paid to USPTO and International Search Report not prepared by the EPO or JPO	\$1000.00	International Search Report has been prepared by the EPO or JPO	\$ 860.00	International preliminary examination fee not paid at USPTO but international search paid to USPTO	\$ 710.00	International preliminary examination fee paid to USPTO but claims did not satisfy provisions of PCT Article 33(1)-(4)	\$ 690.00	International preliminary examination fee paid at USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)	\$ 100.00	Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	\$	Claims	Number Filed	Number Extra	Rate	Total Claims	18 -20 =	-0-	X \$18.00	Independent Claims	4 - 3 =	1	X \$80.00	Multiple dependent claim(s) (if applicable)			+ \$270.00	\$940.00	\$	\$940.00	\$	\$940.00	\$	+ \$	+	\$940.00	\$	\$40.00	\$	\$980.00	\$	Amount to be refunded	\$	Amount to be charged	\$
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<p>19. CORRESPONDENCE ADDRESS</p> <p></p> <p>000513</p> <p>PATENT TRADEMARK OFFICE</p>		<p>By: </p> <p>Michael S. Huppert, Registration No. 40,268</p> <p>WENDEROTH, LIND & PONACK, L.L.P. 2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone:(202) 721-8200 Fax:(202) 721-8250</p> <p>August 7, 2001</p>																																														

[CHECK NO. **45869**] [2001_1110A]

09/890871

JC03 Rec'd PTC 07 AUG 2001

VERIFICATION OF A TRANSLATION

I, the below named translator, hereby declare that:

My name and post office address are as stated below;

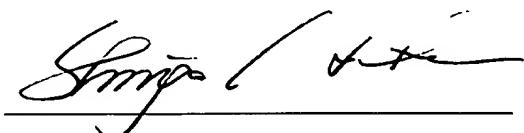
That I am knowledgeable in the English language and in the language in which the below identified application was filed, and that I believe the English translation of International Application No. PCT/JP00/00744 is a true and complete translation of the above-identified International Application as filed.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated this 2nd day of August, 2001

Full name of the translator: Shinya HOSOKAWA

Signature of the translator:



Post Office Address: c/o YUASA AND HARA, Section 206,
New Otemachi Bldg., 2-1,
Otemachi 2-chome, Chiyoda-ku,
Tokyo, JAPAN